Doc description: Information Disclosure Statement (IDS) Filed Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number		10581656
Filing Date		2008-06-09
First Named Inventor	Hyung	g-Joo Kwon
Art Unit		1645
Examiner Name	Ogunbiyi, O.	
Attorney Docket Number		BARUN-10974

U.S.PATENTS Remov					Remove					
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue D)ate	Name of Pate of cited Docu	entee or Applicant ment	Pages,Columns,Lines where Relevant Passages or Releva Figures Appear		
	1	6406705		2002-06	S-18	University of Iowa Whole Do		Document		
If you wis	h to a	dd additional U.S. Pater	nt citatio	n inform	ation pl	ease click the	Add button.		Add	
			U.S.P.	ATENT	APPLIC	CATION PUBI	LICATIONS		Remove	
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publica Date	ition	Name of Patentee or Applicant of cited Document Pages, Columns, Lin Relevant Passages Figures Appear				
	1									
If you wis	h to a	dd additional U.S. Publi	shed Ap	plication	citation	n information p	lease click the Ade	d button	Add	
				FOREIG	3N PAT	ENT DOCUM	ENTS		Remove	
Examiner Initial*	Cite No	Foreign Document Number ³				Publication Date	Name of Patente Applicant of cited Document	e or F	Pages,Columns,Line where Relevant Passages or Releva Figures Appear	T5
/00/	1	199840100	wo			1998-09-17	Davis, et al.	\	Whole Document	
If you wis	If you wish to add additional Foreign Patent Document citation information please click the Add button Add							_'		
			NON	I-PATEN	NT LITE	RATURE DO	CUMENTS		Remove	
Examiner Cite Initials* Cite No Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.							T5			

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number		10581656
iling Date		2008-06-09
irst Named Inventor	Hyung	g-Joo Kwon
Art Unit		1645
xaminer Name	Ogun	biyi, O.
Morney Docket Number		BARUN_10974

1	AKDIS, et al., "Immune regulation in atopic dermatitis." Curr Opin Immunol. 2000 Dec;12(6):641-6	
2	KWON, et al., "NF-kappaB-dependent regulation of tumor necrosis factor-alpha gene expression by CpG- oligodeoxynucleotides." Biochem Biophys Res Commun. 2003 Nov 7;311(1):129-38	
3	DENG, et al., "The features of arthritis induced by CpG motifs in bacterial DNA." Arthritis Rheum. 2000 Feb;43 (2):356-64	
4	TANAKA, et al., "An antisense oligonucleotide complementary to a sequence in I gamma 2b increases gamma 2b germline transcripts, stimulates B cell DNA synthesis, and inhibits immunoglobulin secretion" J Exp Med. 1992 Feb	
5	DAVIS, et al., *CpG DNA is a potent enhancer of specific immunity in mice immunized with recombinant hepatitis B surface antigen.* J Immunol. 1998 Jan 15;160(2):870-6	
6	RUDIKOFF, et al., "Atopic dermatitis." Lancet. 1998 Jun 6;351(9117):1715-21	
7	IMOKAWA, et al., "Decreased level of ceramides in stratum corneum of atopic dermatitis: an etiologic factor in atopic dry skin?" J Invest Dermatol. 1991 Apr;96(4):523-6	
8	ASHWELL, et al., "Effect of gamma radiation on resting B lymphocytes. I. Oxygen-dependent damage to the plasma membrane results in increased permeability and cell enlargement." J Immunol. 1986 May 15;136(10):3649-56	
9	PROSSER "Survival of human T and B lymphocytes after X-irradiation." Int J Radiat Biol Relat Stud Phys Chem Med. 1976 Nov;30(5):459-65	
10	KUBOTA, et al., "Radiation-induced apoptosis in peritoneal resident macrophages of C3H mice" J Radiat Res (Tokyo). 2004 Jun;45(2):205-11	
11	KRIEG, A.M, "CpG motifd in bacterial DNA and their immune effects" Annu. Rev. Immunol, 2002, Vol. 20.709-742	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /OO/

IN

	Attorney Docket Numb	er	BARUN-10974	
tot for submission under or or it 1.55)	Examiner Name	Ogunl	biyi, O.	
TATEMENT BY APPLICANT Not for submission under 37 CFR 1.99)	Art Unit		1645	
IFORMATION DISCLOSURE	First Named Inventor Hyung-Joo Kwon			
	Filing Date		2008-06-09	
	1 '''			

10581656

Application Number

	12	KRIE	G, et al, "CpG motifs in bacterial DNA trigger direct B-cell activation	on" 1995, nature vol 37	4, p546-549	
	13		MANN, et al., "Recent advances in the development of immunostin RENT OPINION IN DRUG DISCOVERY & DEVELOPMENT MAR			
	14		G, et al., "Mechanism of Action of CpG DNA" (2000-01-01), CURF INOLOGY, SPRINGER, BERLIN, DE, vol. 247, 1, pages 1-21	RENT TOPICS IN MICE	ROBIOLOGY AND	
	BALLAS, et al. "Induction of NK activity in murine and human cells by CpG motifs in oligodeoxynucleotides and bacterial DNA" J Immunol. 1996 Sep 1;157(5):1840-5					
	16	KLINMAN, et al. "CpG motifs present in bacteria DNA rapidly induce lymphocytes to secrete interleukin 6, interleukin 12, and interferon gamma" Proc Natl Acad Sci U S A. 1996 Apr 2;93(7):2879-83				
If you wis	h to a	dd add	titional non-patent literature document citation information p	lease click the Add b	outton Add	
			EXAMINER SIGNATURE			
Examiner	Signa	ature	/Oluwatosin Ogunbiyi/	Date Considered	02/25/200	19

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. 2 Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). 3 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 4 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 5 Applicant is to place a check mark here if English language translation is attached.